

Converting Colors

XYZ(7.8455, 5.0937, 0.5832)

Have a look what the booklet for
XYZ(7.8455, 5.0937, 0.5832)
contains.

XYZ(7.7633, 5.0311, 0.5619)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

XYZ(7.7633, 5.0311, 0.5619)

Conversions

Conversions Part 1

Format	Color
Hex	732600
RGB	115, 38, 0
RGB Percent	45%, 15%, 0%
CMY	0.5490, 0.8510, 1.0000
CMYK	0.00, 0.67, 1.00, 0.55
HSL	20°, 100%, 23%
HSV	20°, 100%, 45%
XYZ	7.7633, 5.0311, 0.5619
YIQ	56.6910, 58.0900, 4.5060

Conversions

Conversions Part 2

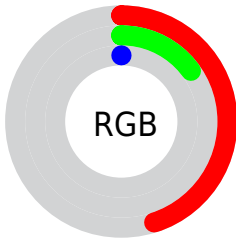
Format	Color
RYB	115, 57, 0
Decimal	7546368
CIELab	26.82, 32.36, 38.21
CIElCh	27, 50.070, 49.741
Yxy	5.0311, 0.5812, 0.3767
Android (android.graphics.Color)	4285736448 (0xFF732600)
YUV	56.6910, -27.9487, 51.1370
Hunter-Lab	22.4301, 22.5280, 14.2158

Details

The XYZ color **7.7633, 5.0311, 0.5619** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **5.7478, 6.5445, 17.1796**, and the grayscale version is **3.8789, 4.0809, 4.4441**.

A 20% lighter version of the original color is **21.1549, 15.9059, 4.6445**, and **1.8036, 0.9298, 0.0844** is the 20% darker color. If you saturate the color by 10%, you get **7.7634, 5.0314, 0.5620**, and if you desaturate by 10%, it is **8.0990, 5.6012, 0.9863**.

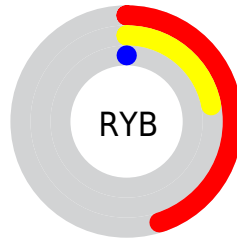
Distribution



Red (45%)

Green (15%)

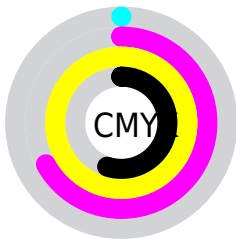
Blue (0%)



Red (45%)

Yellow (22%)

Blue (0%)

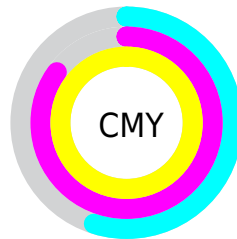


Cyan (0%)

Magenta (67%)

Yellow (100%)

Black (55%)



Cyan (55%)


Magenta (85%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 7.7633, 5.0311, 0.5619 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 7.7633, 5.0311, 0.5619 by changing the saturation by 10% instead.


 7.7633, 5.0311,
0.5619


 7.7633, 5.0311,
0.5619


 168.2738,
150.1232, 94.5314


 3.9944, 2.2655,
0.0000

 21.1830, 15.8850,
4.6896


 1.6990, 0.7554,
0.0000


 31.5645, 24.7420,
9.0703

 0.4556, 0.0000,
0.0000

 44.8809, 36.3984,
15.5713

 0.0000, 0.0000,
0.0000

 61.4975, 51.2384,
24.6113

 81.7798, 69.6465,
36.6088

 106.0930, 92.0071,

51.9822

■ 134.8025,
118.7045, 71.1503

■ 7.7633, 5.0311,
0.5619

■ 7.7633, 5.0311,
0.5619

■ 7.7634, 5.0314,
0.5620

■ 8.0990, 5.6012,
0.9863

■ 8.5164, 6.2899,
1.5758

■ 9.0404, 7.1118,
2.4477

■ 9.6793, 8.0741,
3.6330

■ 10.4403, 9.1836,
5.1589

■ 11.3303, 10.4465,
7.0493

■ 12.3552, 11.8685,
9.3262

■ 13.5208, 13.4553,
12.0095

■ 14.8324, 15.2121,
15.1182

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



9.4593, 5.0311, 2.5101



7.7633, 5.0311, 0.5619



5.5090, 5.0311, 0.0000

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



7.7633, 5.0311, 0.5619



1.8839, 5.0311, 3.7233



6.2204, 5.0311, 24.0878

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



7.7633, 5.0311, 0.5619



5.7478, 6.5445, 17.1796

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



4.1218, 5.0311, 25.3903



7.7633, 5.0311, 0.5619



1.9748, 5.0311, 10.1705

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



7.7633, 5.0311, 0.5619



2.3846, 5.0311, 0.9711



2.6822, 5.0311, 19.1436



8.4087, 5.0311, 16.2976

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



7.7633, 5.0311, 0.5619



4.1533, 5.0311, 0.0000



2.6822, 5.0311, 19.1436



5.4710, 5.0311, 25.4390

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



7.7634, 5.0314, 0.5620



21.9711, 21.0420, 16.3532



8.4662, 4.2032, 7.6828



5.0901, 4.8108, 3.5616



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



7.7634, 5.0314, 0.5620



13.7894, 8.7844, 0.9688



11.0653, 11.6352, 1.6626



3.7737, 3.8804, 3.8924



8.8569, 5.7151, 0.6363



42.4505, 26.4295, 2.8640

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



5.7478, 6.5445, 17.1796



10.1686, 11.4711, 30.7227



3.3641, 1.7772, 16.3851



3.6862, 3.9610, 4.6605



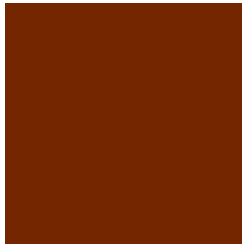
6.5511, 7.4418, 19.6337



31.1152, 34.6470, 95.4079

Previews

White Background



This preview shows how the XYZ color 7.7633, 5.0311, 0.5619 looks on a white background.

Color Contrast Check

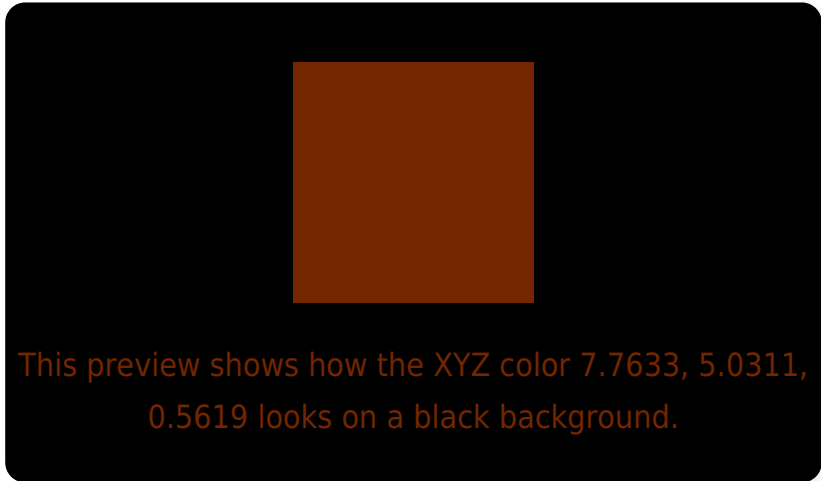
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

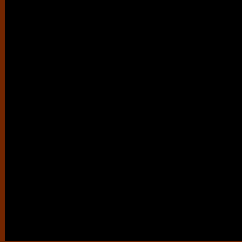
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 7.7633, 5.0311, 0.5619

Background



This preview shows how black text looks on a background with the XYZ color 7.7633, 5.0311, 0.5619.



This preview shows how white text looks on a background with the XYZ color 7.7633, 5.0311, 0.5619.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

7.7633, 5.0311, 0.5619

Protanopia

4.7043, 5.2236, 1.1081

Deuteranopia

5.2023, 5.2391, 0.7371



Tritanopia

8.1374, 5.0486, 2.2959

Trichromacy



Original Color

7.7633, 5.0311, 0.5619

Protanomaly

5.4345, 4.8246, 0.8745

Deuteranomaly

5.8892, 4.9259, 0.6404

Tritanomaly

7.9982, 5.0407, 1.4156

Monochromacy



Original Color

7.7633, 5.0311, 0.5619

Achromatopsia

3.8890, 4.0915, 4.4557

Achromatomaly

4.6009, 4.0283, 2.2041

CSS Examples

Text

The CSS property to change the color of the text to XYZ 7.7633, 5.0311, 0.5619 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(115, 38, 0)` looks like.

```
.text, #text, p{  
    color:rgb(115, 38, 0)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(115, 38, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 38, 0) }
```

Border

The CSS property to change the border of an element to XYZ 7.7633, 5.0311, 0.5619 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(115, 38, 0) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(115, 38, 0) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(115, 38, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 38, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 38, 0);  
box-shadow:4px 4px 4px 4px rgb(115, 38, 0)  
}
```


Background

The CSS property to change the background color of an element to XYZ 7.7633, 5.0311, 0.5619 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 38, 0) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(115, 38,  
0) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor